



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RB PWC38147-1
Job Sheet 167986



Part No: RB PWC38147-1

Job Qty: 1 ea

Part Name: Drain Quill



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 11/9/17

Job Tracking No:

Due Date: 11/15/17

Created By: Marie Lajeunesse

Type: Stock

Description:

Customer: Bell Helicopter Miami Inc (CEDWA04)

PO Box 3689 Bristol, TN, 37625 USA ph:(954) 491-5071

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		11/14/17	0.00	0.00	Start up container		SL 17-11-29
110	CNC Lathe	1 pcs		11/15/17	0.00	0.50	MORI SL-154		SL
120	QC	1 pcs		11/15/17	0.00	0.00	QC2		SL
130	QC	1 pcs		11/15/17	0.00	0.00	QC8		SL 12/12/14
140	QC	1 pcs		11/15/17	0.00	0.00	QC5		38
150	Outsource	1 pcs		11/15/17	0.00	0.00	Outsource4		2-85
160	Packaging	1 pcs		11/15/17	0.00	0.00	Packaging2		38
170	QC	1 pcs		11/15/17	0.00	0.00	QC6		38
180	Packaging	1 pcs		11/15/17	0.00	0.00	Packaging3		3-89
190	QC21-SA	1 Ea		11/15/17	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per DWG. FBSS FOLIO REV: _____ DWG REV: _____ 2-Deburr
Descriptions: 150 - Issue P/O to ATG : PO _____ -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant -Certificate of Conformity is required

Job Allocations

Operation	Component Part	Required	Inventory	Allocated	Std Qty
90-Start up Operation	M6061T6R0.500	0	33	0	0
	5M.386109.0	2.8			

Part Specifications

Specifications could not be found.

Plox 11/9/17 8:55 AM Dart.lajeunesse.marie

DART
AEROSPACE
S015504

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com



Drain Quill

PART NO: RB PWC38147-1
Revision:
Operation: Start up Operation
Change No:

Mfg Date: 11/29/17
Job No: 167986

DART
AEROSPACE
S015504

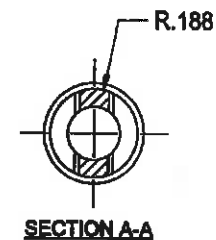
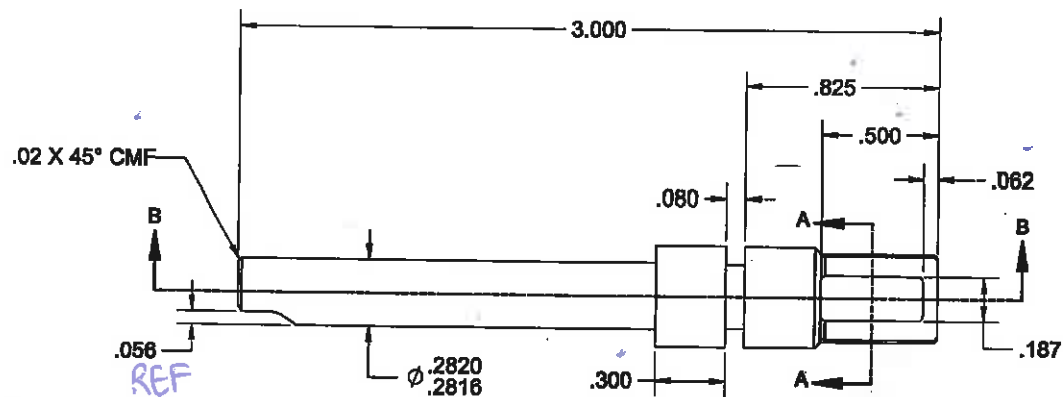


Drain Quill

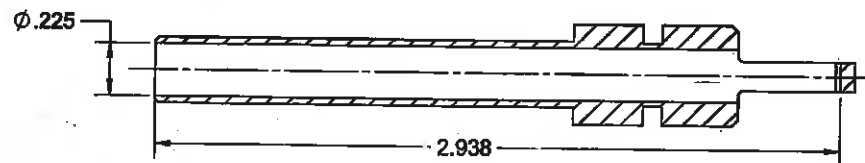
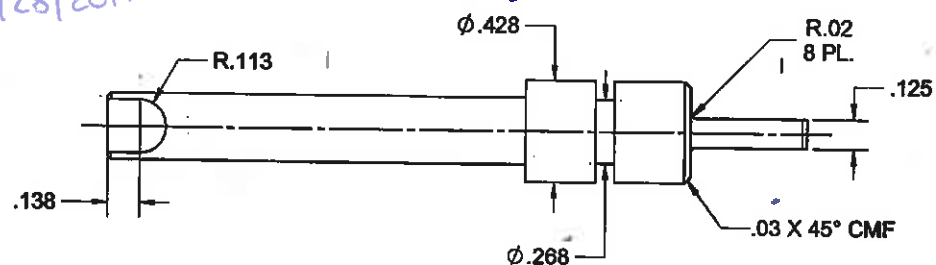
PART NO: RB PWC38147-1
Revision:
Operation: Packaging
Change No:

Mfg Date: 11/29/17
Job No: 167986

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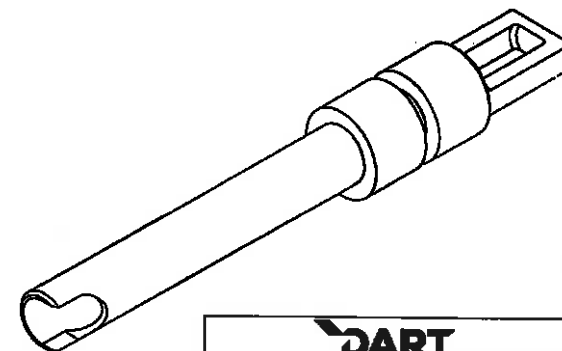


Vol 11/28/2017



SECTION B-B

RB.PWC38147-1 DRAIN QUILL



NOTES:

- NOTES:
1) MATERIAL: 6061-T6
2) FINISH: RED ANODIZE
3) HEAT TREAT: N/A
4) SPEC: MIL-A-8625, TYPE II, CLASS 2; WATER SEALANT
5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
6) IDENTIFICATION: N/A

		Thornbury, Ontario, Canada	
TITLE DRAIN QUILL			
DRAW NO. RB PWC38147-1		REV A	
DESIGN BY: VM 9/13/2017	CHKD: J. J. J.	FRACTIONS: 1/8"	ANGLES: 45°
DRAWN BY: VM 10/30/2017	CHKD: J. J. J.	SURFACES: 100%	FINISH: 100%
CHECKED: DC 10/30/2017	1. DIMENSIONS AND TOL. PER DRAWING		
MFG. APPR: DD 11/11/2017	2. DIMENSIONS AND TOL. PER PART SPECIFICATION		
APPROVED: VM 11/07/2017	3. DIMENSIONAL LIMITS APPLY AFTER PLATING		
DATE: 10/30/2017			
SCALE: NTS	WGT/LOT: 100000	SHEET 2 OF 5	
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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

PURCHASE ORDER PO038553

Tel (613) 632-5200

Items										
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
			Issue P/O to ATG : _____ Hard black anodize/Prime as per dwg 646.3311							
14	169109	646.9710	Body Issue P/O to ATG : _____ Hard black anodize/prime as per Dwg 646.9700	Firmed	12/11/17	2 pcs	0 pcs	2 pcs	\$0.011/pcs	\$0.02
15	167986	RB PWC38147-1	Drain Quill -Issue P/O to ATG : PO -ANODIZE COLOR RED, PER IAW MIL-A-8625 TYPE-2 CLASS-2, Water sealant	Firmed	12/11/17	1 pcs	0 pcs	1 pcs	\$0.011/pcs	\$0.01
16	168869	RB T103311- 101	Sleeve Tool -Issue P/O to ATG: -ANODIZE COLOR CLEAR, PER IAW MIL-A- 8625F TYPE 2 CLASS 1 WATER SEAL	Firmed	12/11/17	2 pcs	0 pcs	2 pcs	\$0.011/pcs	\$0.02
Grand Total:										\$1,338.23

Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing

A024 process certifications
A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit
www.dartaerospace.com for further explanation.

Plex 12/12/17 9:01 AM dart.gagnon.michelle



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914270

Date: 11-Dec-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
1 ea	Part: RBT18650-101-1 Drain Tool Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22096		Rev: B PO: PO038553 Line: 1
2 ea	Part: RBPWC38147-1 Drain Quill Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22121		Rev: A PO: PO038553 Line: 15
4 ea	Part: RBD29905-1 Side Plate Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22097		Rev: 5 PO: PO038553 Line: 2
1 ea	Part: RBD29905-3 Cord Handle Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22098		Rev: 5 PO: PO038553 Line: 3
5 ea	Part: RBD29905-15 Center Plate Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22099		Rev: 5 PO: PO038553 Line: 4
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.			
Made in Canada.			

DAS
38
12-88



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914270

Date: 11-Dec-17

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chantal Lavoie
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

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4 ea	Part: RBD29905-1 Side Plate Red Anodize per MIL-A-8625F, Type II, Class 2, .0004-.0010" (.4 - 1 mils), Water Sealant Job: 22097		Rev: 5 PO: PO038553 Line: 2
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CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Made in Canada.			

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9-89

DQA: _____ Date: _____



QA Closed: ZK Date: Oct 31/19

WORK ORDER NON-CONFORMANCE / UPDATE

Work Order update only ☐

Work Order: <u>167986</u>	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS					
Part No. <u>RB PW 38147 1</u>		Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
NCR No. <u>19-7673</u>		Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
		Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☒	<u>NCR PW</u>	

Date: 11/28/2017

Step #:

QTY Effective: 1

MRB (QSI042) Approval

Description Work Order Deviation .056 IS NOT A CONTROL DIMENSION SHOULD BE IN "REF" SEE MARKUP	Disposition Dimension will be corrected to REF. <u>[Signature]</u>	<u>[Signature]</u> 2017. 11. 28 Completed By <u>VH</u> 17-11-28 Lead hand / Supervisor Approval Verification <u>[Signature]</u> 17/12/04 QC / QA Coordinator DAS Approval 55 9-89 <u>28 Nov 2017</u>
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Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	☒ Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	☒ Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐						
Misidentified ☐	Past Due ☐	OTHER :					